

ARG42412
anti-CD85g / ILT7 antibody [17G10.2]Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [17G10.2] recognizes CD85g / ILT7
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The mouse monoclonal antibody 17G10.2 recognizes an extracellular epitope of CD85g / ILT7, a member of leukocyte immunoglobulin-like receptor family expressed on plasmacytoid dendritic cells, but not on myeloid dendritic cells and other peripheral blood leukocytes.
Host	Mouse
Clonality	Monoclonal
Clone	17G10.2
Isotype	IgG1, kappa
Target Name	CD85g / ILT7
Species	Human
Immunogen	Human CD85g / ILT7-FcεRIγ-transfected 2B4 cells.
Conjugation	Un-conjugated
Alternate Names	ILT7; ILT-7; CD85 antigen-like family member G; Immunoglobulin-like transcript 7; CD antigen CD85g; CD85g; Leukocyte immunoglobulin-like receptor subfamily A member 4

Application Instructions

Application table	Application	Dilution
	FACS	2 - 5 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

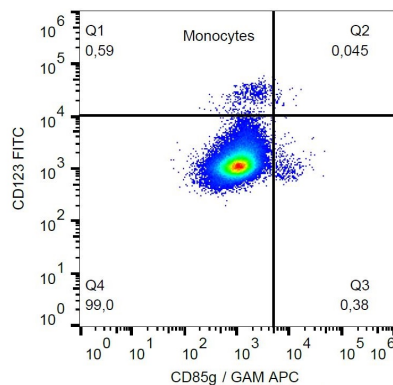
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol	LILRA4
Gene Full Name	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 4
Background	This gene encodes an immunoglobulin-like cell surface protein that is expressed predominantly on plasmacytoid dendritic cells (PDCs) and modulates the function of these cells in the immune response. Expression of this gene is downregulated by interleukin 3 (IL3). This gene is one of a cluster of highly related genes located at chromosomal region 19q13.4. [provided by RefSeq, Jan 2015]
Function	Functions coreceptor to limit the innate immune responses to viral infections; signaling occurs via FCER1G (PubMed:16735691, PubMed:19564354). Down-regulates the production of IFNA1, IFNA2, IFNA4, IFNB1 and TNF by plasmacytoid dendritic cells that have been exposed to influenza virus or cytidine-phosphate-guanosine (CpG) dinucleotides, indicating it functions as negative regulator of TLR7 and TLR9 signaling cascades (PubMed:16735691, PubMed:19564354, PubMed:24586760). Down-regulates interferon production in response to interaction with BST2 on HIV-1 infected cells (PubMed:26172439). Activates a signaling cascade in complex with FCER1G that results in phosphorylation of Src family and Syk kinases and thereby triggers mobilization of intracellular Ca(2+) (PubMed:16735691, PubMed:19564354). Does not interfere with the differentiation of plasmacytoid dendritic cells into antigen-presenting cells (PubMed:24586760). [UniProt]
Calculated Mw	55 kDa
Cellular Localization	Cell membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG42412 anti-CD85g / ILT7 antibody [17G10.2] FACS image

Flow Cytometry: Human buffy coat cells stained with ARG42412 anti-CD85g / ILT7 antibody [17G10.2], followed by APC-conjugated Goat anti-Mouse antibody. Samples were co-stained with anti-CD123 antibody (FITC).